

Replacement Sheet

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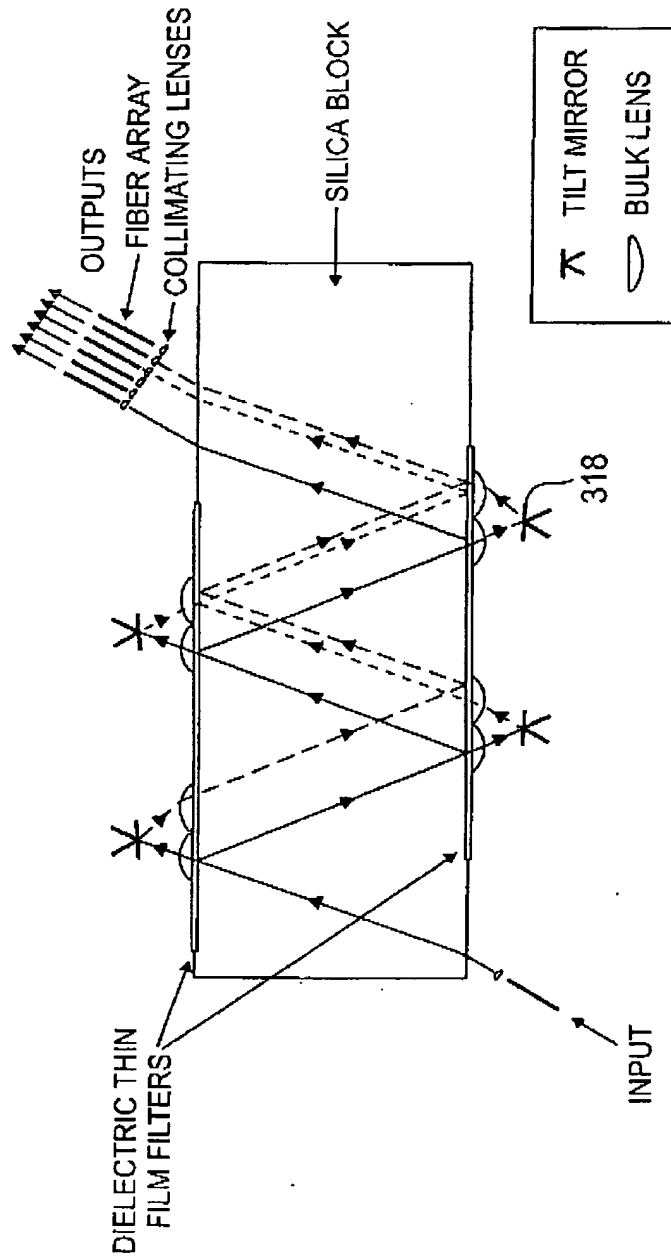
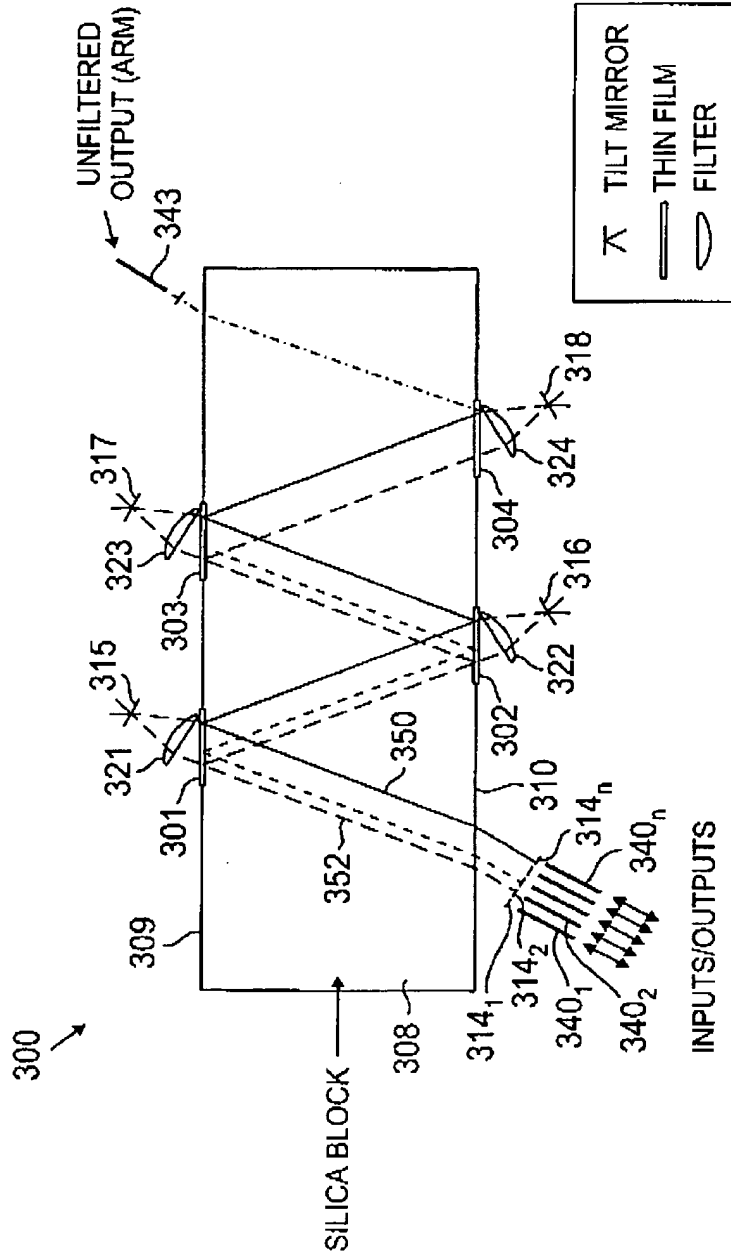


FIG. 1

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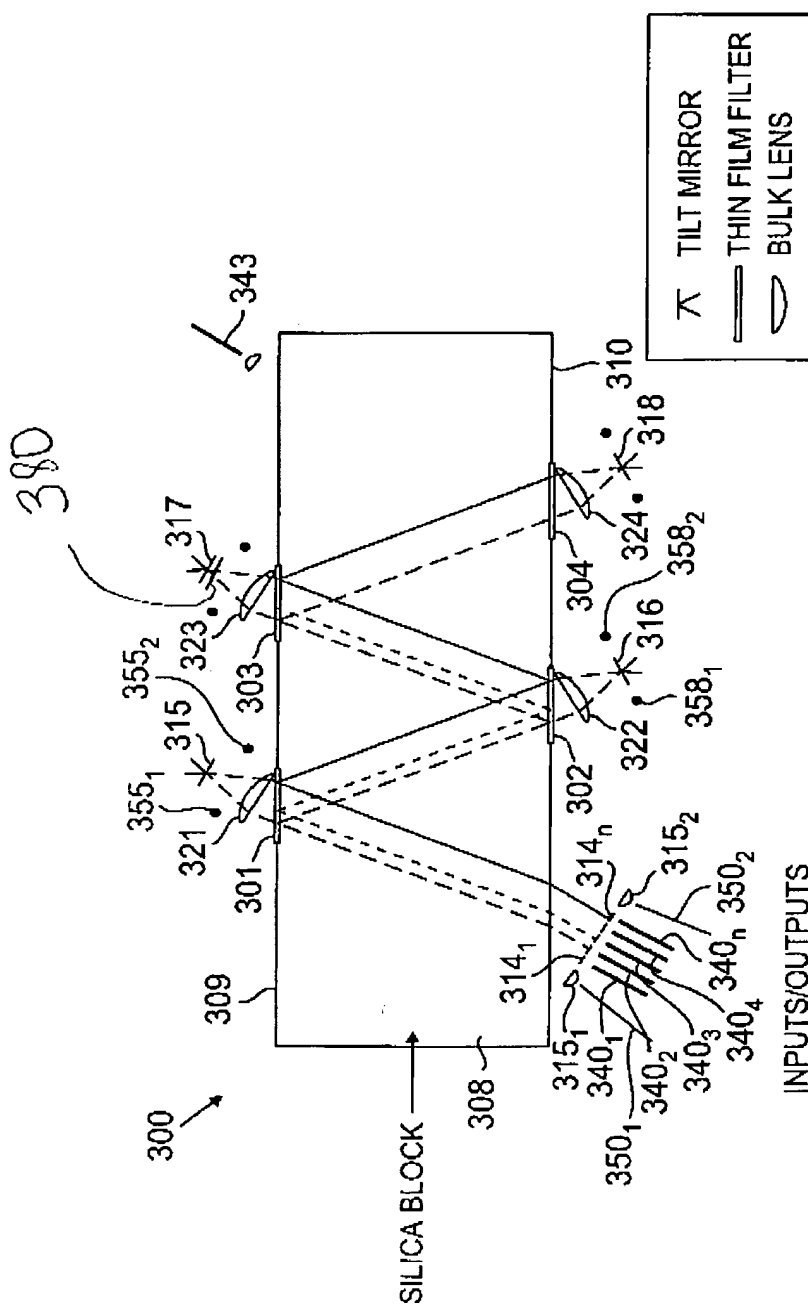


BIDIRECTIONAL INPUTS/OUTPUTS WITH
INDEPENDENT WAVELENGTH DISTRIBUTION

FIG. 2

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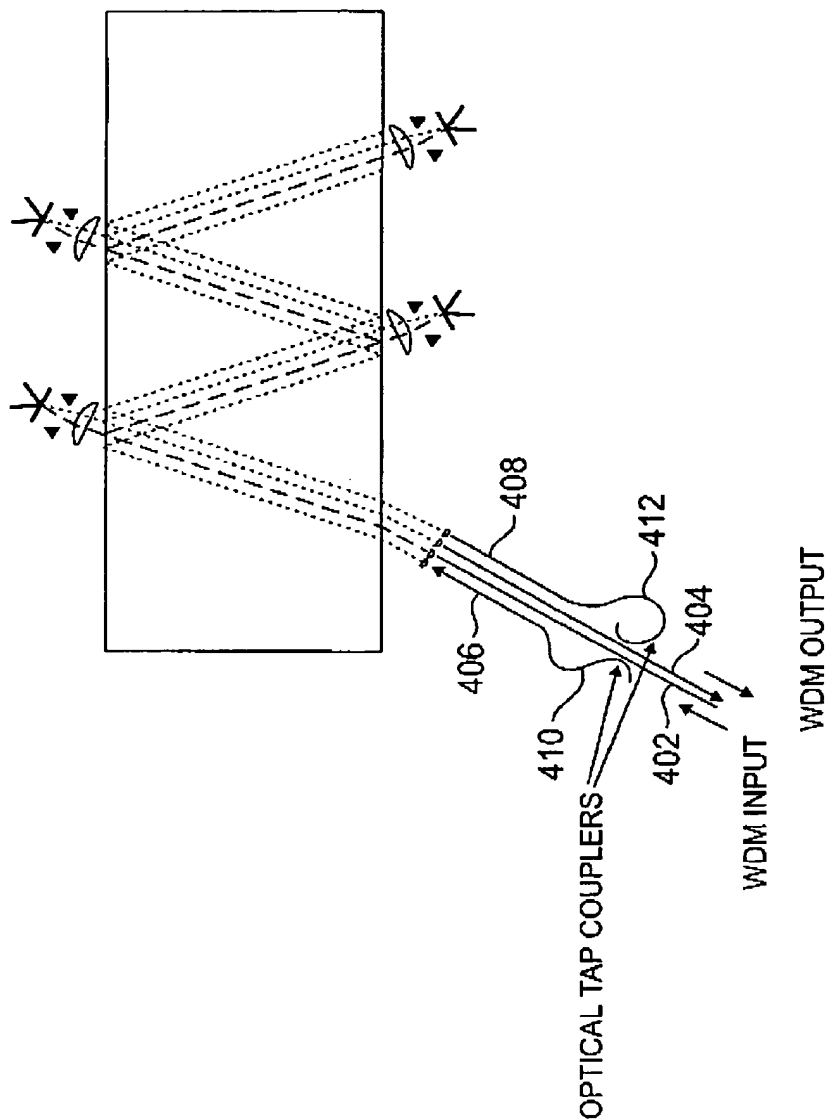


BIDIRECTIONAL INPUTS/OUTPUTS WITH
INDEPENDENT WAVELENGTH DISTRIBUTION

FIG. 3

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OPTICAL TAP CONFIGURATION TO MONITOR ANY INPUT AND OUTPUT PORTS ON A PER WAVELENGTH BASIS TO VERIFY SWITCH LOSS AS WELL AS SIGNAL PRESENCE AND POWER

FIG. 4

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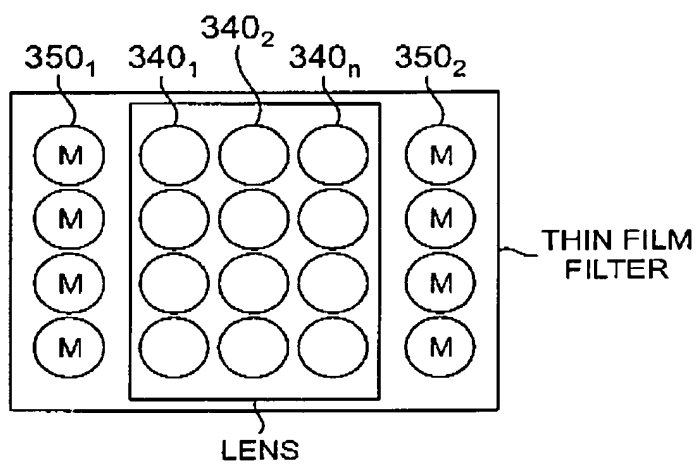
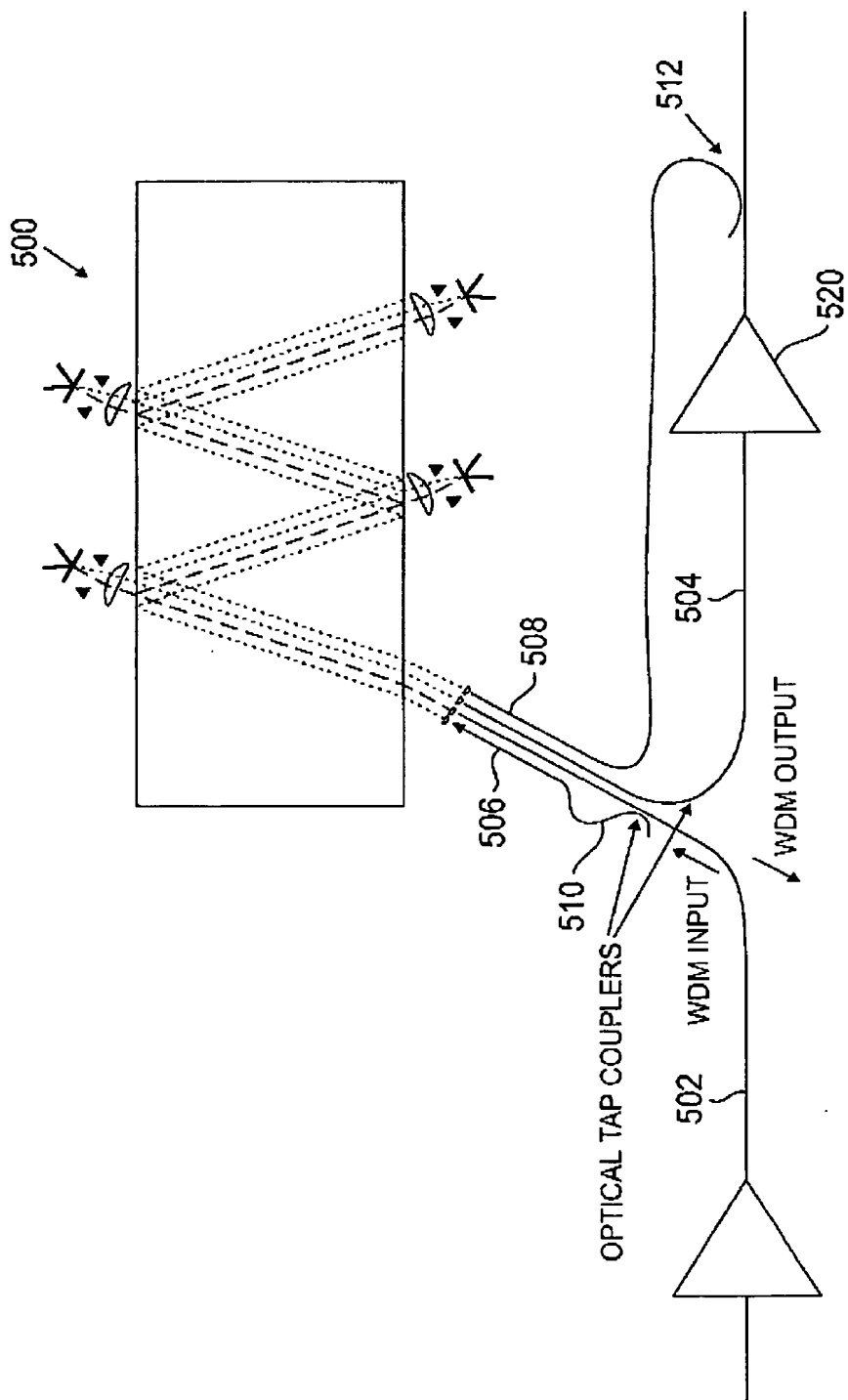


FIG. 5

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OPTICAL TAP CONFIGURATION TO MONITOR ANY INPUT AND OUTPUT PORTS ON A PER WAVELENGTH BASIS WHERE OUTPUT PORT IS AFTER AN OPTICAL AMPLIFIER, ENABLING GAIN FLATTENING OF AMPLIFIER

FIG. 6

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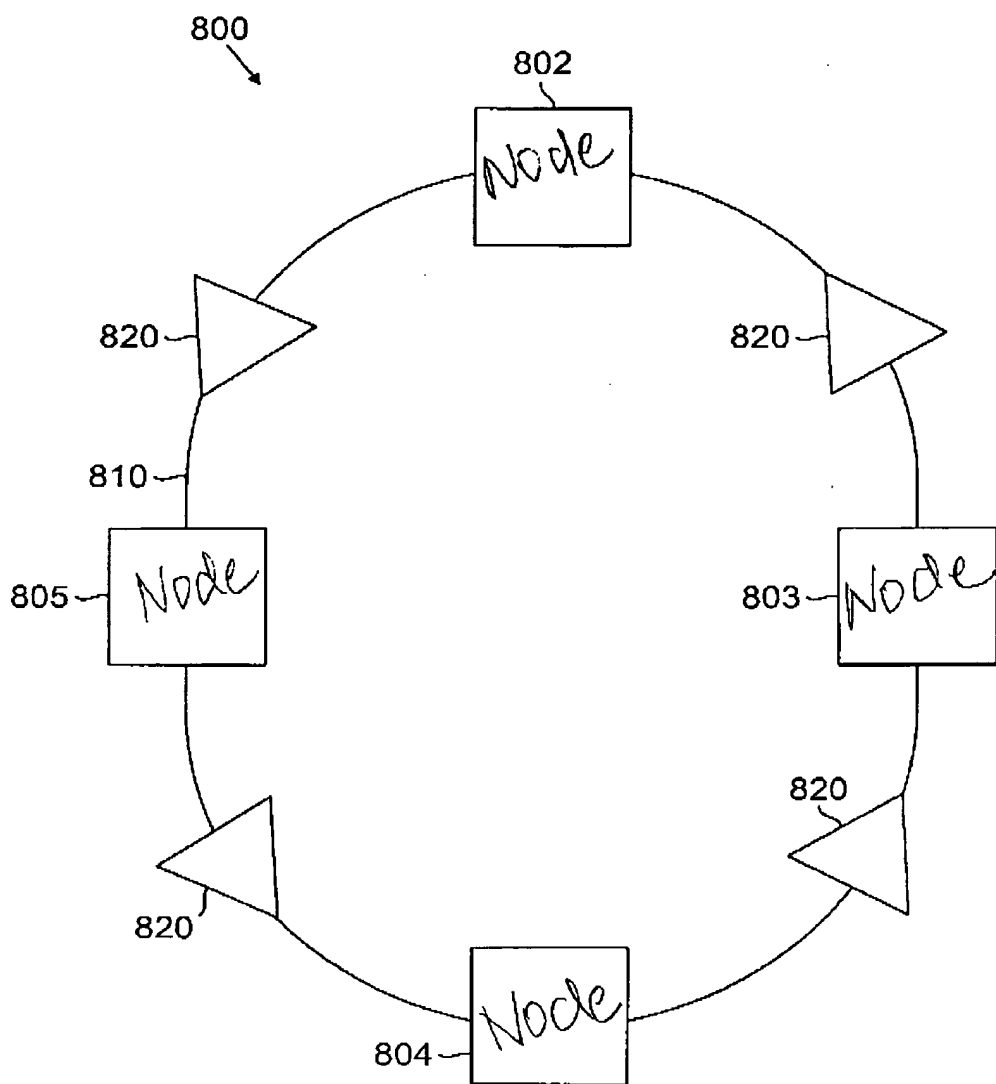


FIG. 7